

Turkey - Energy System Overview



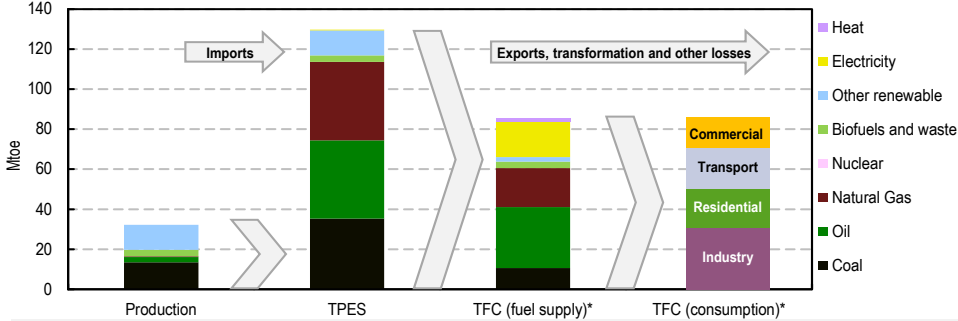
General information

Country size	Turkey	
	770 000 km ²	4th compared to IEA countries
Population (2015)	76.619 million	6.8% of IEA population
GDP (2015)	1392.428 billion USD (PPP)	

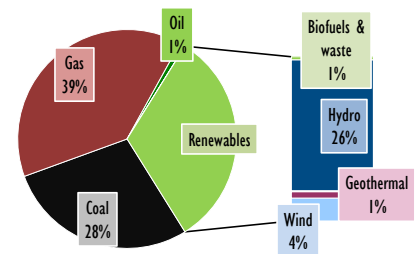
Energy system transformation

SUPPLY AND DEMAND 2015

TPES: 129.7 Mtoe, 12% renewables (IEA average 10%)



Electricity generation: 259.7 TWh
32% renewables (IEA average :24%)



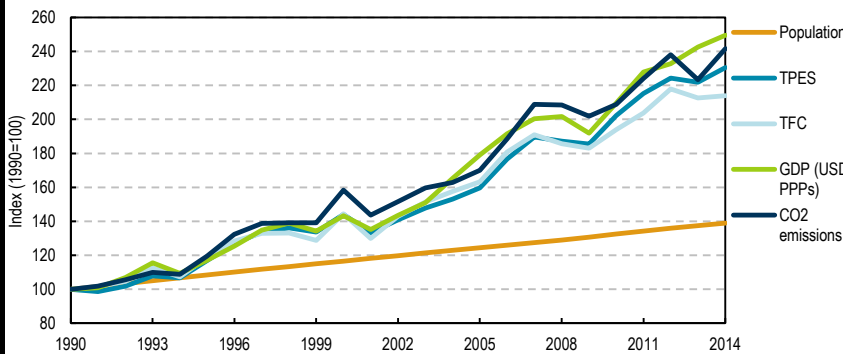
Fuel shares compared to IEA average

Fuel	TPES	IEA average	Ranking in IEA
Coal	27%	18%	7
Oil	30%	36%	21
Gas	30%	26%	6
Hydro	4%	2%	8
Nuclear	0%	10%	17
Biofuels	3%	6%	28
Wind	1%	1%	17
Geothermal	4%	1%	2
Solar	1%	0%	7

Electricity	IEA average	Ranking in IEA
28%	30%	12
1%	2%	17
39%	25%	5
26%	13%	7
0%	19%	17
1%	3%	26
4%	5%	19
1%	0%	3
0%	2%	23

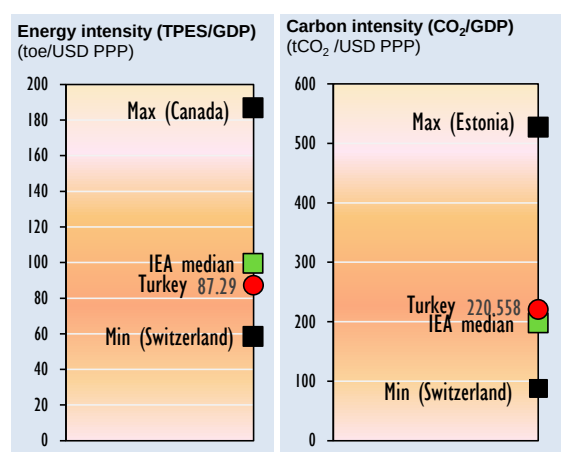
*consumption data are from 2014

KEY ENERGY INDICATOR DEVELOPMENT, 1990-2014



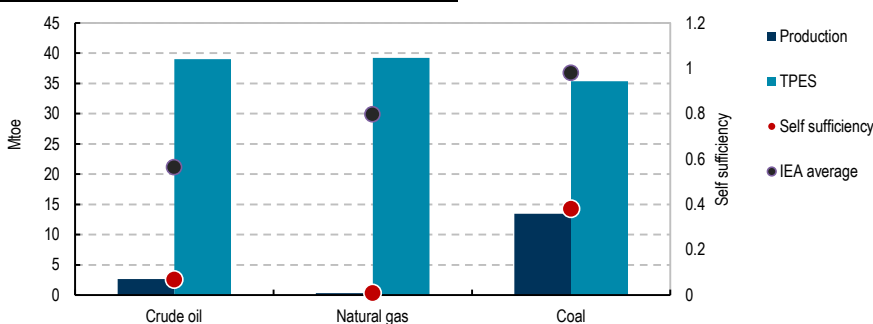
	Turkey	IEA average
TPES/Capita (Mtoe/Million)	1.59	4.48
Electricity consumption/Capita (MWh/capita)	2.87	8.72
CO2 emission/Capita (MtCO2/Million)	4.01	10.07

INTENSITY



Energy security

PRODUCTION AND SELF SUFFICIENCY 2015



FUEL	IMPORT COUNTRY
Crude Oil	Iraq (45.53%) Iran, Islamic Republic (22.29%)
Oil Products	Russian Federation (22.91%) United States (14.14%)
Natural gas	Russian Federation (55.13%) Iran, Islamic Republic (16.23%)
Coal	Colombia (33.12%) Russia (33.04%)
ELECTRICITY	
Imports	Bulgaria (92.98%)
Exports	Greece (99.95%)

(Source: IEA energy balances 2016)